Project Title	Enhanced Adoption of Soil Conservation Practices and the Impact on Biological Stressors in Semiarid Agriculture	Project No. XXXX-12000-001-00D
Objective	Quantify the response of insect populations to altered soil microclimate induced by conservation tillage	
Performance Measure	3.2.5: Provide fundamental and applied scientific information and technology to protect agriculturally important plants from pests and diseases.	

Hypothesis	SY Team	Months	Milestones	Progress/ Changes	Products
Insect populations are not affected by conservation tillage practices.	SY1 SY2	FY 07 (12)	Identify sampling sites for conservation tillage within production fields and establish monitoring sites for insects and soil microclimate Establish common database for insect populations and soil microclimate data		Website of experimental sites and data observations for project team to access Database format and structure developed
		FY 08 (24)	Collect soil samples and agronomic data from field sites Collect aerial images across fields to determine spatial patterns of insect damage Collect insect population statistics for each field		Population of database with initial observations Initial comparison of differences among conservation tillage systems
		FY 09 (36)	Collect soil samples and agronomic data from field sites Collect aerial images across fields to determine spatial patterns of insect damage Collect insect population statistics for each field		Database with 1st and 2nd year observations Prototype field assessment tool
		FY 10 (48)	Collect soil samples and agronomic data from field sites Collect aerial images across fields to determine spatial patterns of insect damage Collect insect population statistics for each field		Database with 1st, 2nd, and 3rd results Evaluation of experimental observations in conjunction with cooperators
		FY11 (60)	Summarize observations after 4th growing season		Evaluation of field-scale assessment tool Draft reports and manuscripts on the project summary

Hypothesis	SY Team	Months	Milestones	Progress/ Changes	Products